8. Conclusions and Recommendations

The analysis of the impacts upon 13 major issue areas by each of eight reservoir options supported the conclusion that the option of performing remediation and improvements on the as-designed option, with the normal maximum reservoir elevation of 1588 ft., was the most highly rated. The reservoir option at Elevation 1640 came in second as the preferred option. The same result was prevalent throughout the cases studied in the sensitivity analysis.

We recommend that benefit/cost analysis be conducted on the two most highly ranked reservoir options, those with reservoir levels at 1588 ft and 1640 ft. DWR has extensively studied the remediation of the dam to return the normal maximum water level to the as-designed condition, with the reservoir at an elevation of 1588 ft. Additional studies, including preliminary designs of all affected features to determine estimated construction and modification costs and environmental, recreation and other mitigation costs will be required for the two preferred options. The reservoir sizes larger than the as-designed condition were selected for this study based on input from DWR's SWC (MWD, CVWD, and DWA) and DPR.